



1) Sensing surface, 2) Tightening torque



Basic features

Antenna type	round
Approval/Conformity	CE UKCA cULus WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Read/write head

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	5.40 mm
Cable length L	10 m, drag chain compatible
Cable, bending cycles min.	2 mil.
Connection	M12x1-Female
Connection type	10.00 m, PU

Environmental conditions

Ambient temperature	0...70 °C
Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-50...80 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
IP rating	IP67
Storage temperature	-20...85 °C

Material

Housing material	Brass, nickel-plated
Housing material, surface protection	nickel-plated
Material jacket	PU

Mechanical data

Application weight	210.00 g
Dimension	Ø 14.5 x 35 mm
Installation	metal-free (clear zone) on metal flush in metal

Remarks

Values are under rated conditions unless otherwise specified.
 Only together with converter BIS C-901 or BIS C-6xx
 ATTENTION: 10m cable length reduces the read/write distance by 10 %

LF (70/455 kHz)
BIS C-300-PU1-10
Order Code: BIS00P6

BALLUFF

Help Views

BIS C-300-__

	C-100-05/A	C-103-05/A	C-105-05/A	C-121-04/L	C-121-04/L-SA1	C-122-04/L	C-130-05/L	C-134-__/L	C-130-05/L	nicht bündig / non-flush	C-130-05/L-SA1	C-130-05/L-SA6	C-191-__/L	C-141-11/L
passende Datenträger Appropriate data carriers	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	nicht bündig / non-flush	nicht bündig / non-flush	nicht bündig / non-flush	nicht bündig / non-flush	nicht bündig / non-flush	nicht bündig / non-flush
statischer Betrieb Static mode														
Schreibabstand in mm Write distance in mm	0-4	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-4	0-3	0-3,5	0-3,5
Leseabstand in mm Read distance in mm	0-4	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-4	0-3	0-3,5	0-3,5
Versatz in mm bei Abstand von	±3	±3	±3	±2	±2	±2,5	±3,5	±4	±5	±5	±5	±3,5	±4	±3
	1													±3
	2													±3
	3	±2	±2											±1,5
	4													
	5													
	6													
	7													
	10													
	15													
	20													
	35													
	42													
	60													

BIS C-300-__



passende Datenträger
 Appropriate data carriers
 statischer Betrieb

Static mode

Schreibabstand in mm

Write distance in mm 0-3

Leseabstand in mm

Read distance in mm 0-3

Versatz in mm

bei Abstand von

0.7

1 ±2,5

2 ±2,5

3 ±1,5

4

5

6

7

10

15

20

36

42

60

Offset in mm
 at distance